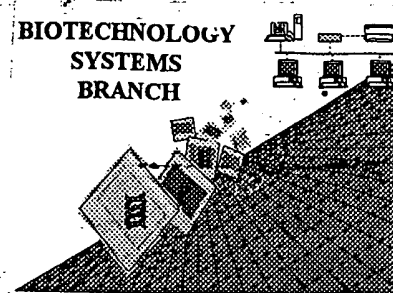


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



0400

#5

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/687,864

Source: O/PF

Date Processed by STIC: 10/27/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY.

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/687,864

DATE: 10/27/2000
 TIME: 13:10:16

Does Not Comply
 Corrected Diskette Needed

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\10272000\I687864.raw

1 <110> APPLICANT: Ledbetter, Jeffrey Hayden-
 W--> 2 <120> TITLE OF INVENTION: DNA VACCINES ENCODING ANTIGEN LINKED TO A DOMAIN THAT
 W--> 3 <130> FILE REFERENCE: US 60/159,690<140> US 60/159,690<141> 1999-10-14<150> US
 C--> 4 <140> CURRENT APPLICATION NUMBER: US/09/687,864
 C--> 4 <141> CURRENT FILING DATE: 2000-10-13
 W--> 4 <151> PRIOR FILING DATE: 1999-10-14<160> 27 <170> PatentIn version 3.0<210> 1<211>

ERRORED SEQUENCES

5 <212> TYPE: DNA<213> Artificial<220><223> synthetic oligonucleotide
 W--> 0 <160> NUMBER OF SEQ ID NOS:
 W--> 7 <210> SEQ ID NO:
 W--> 7 <211> LENGTH:
 W--> 7 <213> ORGANISM:
 E--> 7 <400> SEQUENCE: 1
 8 agcttgccgc catgctgtat acctctcagc tgttaggact acttctgttt tggatctcgg 60
 E--> 10 cttcga 66

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NOV 28 2000

TECH CENTER 1600/2900

major format errors

see next page

09/687, 864

2

insert a hard
return
delete

SEQUENCE LISTING<110> Ledbetter, Jeffrey Hayden-
Ledbetter, Martha<120> DNA VACCINES ENCODING ANTIGEN LINKED TO A DOMAIN THAT
BINDS CD40<130> US 60/159,690<140> ~~US 60/159,690~~<141> ~~1999-10-14~~<150> US
60/159,690<151> 1999-10-14<160> 27 <170> PatentIn version 3.0<210> 1<211>
66<212> DNA<213> Artificial<220><223> synthetic oligonucleotide

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NOV 28 2001

TECH CENTER 1600/2000

<400> 1
agcttgccgc catgctgtat acctctcagc tgtaggact acttctgttt tggatctcgg 60
cttcga 66

Insert a hard return after each response
Arrows indicate hard returns needed.

This page shows a sample of
global errors

FYI: <1407 and <1417 responses are incorrect.
US 60/159,690 and 1999-10-14 are
not current application no. and filing
date. As shown, they only belong
in <1507 and <1517 sections.

FYI

Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/687,864

DATE: 10/27/2000

TIME: 13:10:17

Input Set : A:\PTO.txt

Output Set: N:\CRF3\10272000\I687864.raw

L:2 M:283 W: Missing Blank Line separator, <120> field identifier
 L:3 M:283 W: Missing Blank Line separator, <130> field identifier
 L:4 M:270 C: Current Application Number differs, Replaced Current Application No
 L:4 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:4 M:289 W: Numeric Identifier Missing or Out-Of-Order, <150> PRIOR APP NO
 L:0 M:282 W: Numeric Field Identifier Missing, <160> is required.
 L:7 M:282 W: Numeric Field Identifier Missing, <210> is required.
 L:7 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:7 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:7 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:1
 L:10 M:252 E: No. of Seq. differs, <211>LENGTH:Input:0 Found:66 SEQ:0
 L:16 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:16 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:16 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:33 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:33 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:33 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:40 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:40 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:40 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:47 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:47 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:47 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:54 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:54 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:54 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:63 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:63 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:63 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:70 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:70 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:70 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:77 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:77 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:77 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:86 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:88 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:92 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:92 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:92 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:173 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:175 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:179 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:179 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:179 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:258 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:260 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:265 M:282 W: Numeric Field Identifier Missing, <211> is required.

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NOV 28 2000

TECH CENTER 1600/2500

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/687,864

DATE: 10/27/2000

TIME: 13:10:17

Input Set : A:\PTO.txt

Output Set: N:\CRF3\10272000\I687864.raw

L:265 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:265 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:340 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:342 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:346 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:346 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:346 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:419 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:422 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:427 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:427 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:427 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:464 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:467 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:471 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:471 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:471 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:506 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:509 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:513 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:513 M:282 W: Numeric Field Identifier Missing, <212> is required.
 L:513 M:282 W: Numeric Field Identifier Missing, <213> is required.
 L:544 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:547 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:552 M:282 W: Numeric Field Identifier Missing, <211> is required.
 L:581 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:584 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:733 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:736 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:883 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:886 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1024 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1027 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1162 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1165 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1231 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1234 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1297 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1300 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1354 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:1357 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:0 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (0) Counted (25)